MAP E8

Bainbridge

FLORIDA ECOLOGICAL ATLAS

HYDROLOGY AND CLIMATOLOGY

Bainbridge
Cairo
Thomasville
Climax
Whigham
Faceville
Meigs
Attapulgus
Havana
Quincy
Tallahassee
Monticello
Madison
Perry
Tallahassee
Valdosta
Moultrie
Tifton
Albany
Dothan
Donalsonville
Bainbridge
Cairo
Thomasville
Climax
Whigham
Faceville
Meigs
Attapulgus
Havana
Quincy
Tallahassee
Monticello
Madison
Perry
Valdosta
Moultrie
Tifton
Albany
Dothan
Donalsonville
Decatur County
Grady County
Mitchell County
Thomas County
Jefferson County
Leon County
Gadsden County
Seminole County
Early County
Miller County
Baker County
Calhoun County
Jackson County
Liberty County
Gulf County
Franklin County
Wakulla County
Taylor County
Lafayette County
Suwannee County
Hamilton County
Madison County
Jefferson County
Brooks County
Lowndes County
Berrien County
Cook County
Colquitt County
Worth County
Dougherty County
Lee County
Sumter County
Terrell County
Webster County
Randolph County
Clay County
Baker County
Mitchell County
Grady County
Thomas County
Decatur County
Seminole County
Early County
Miller County
Calhoun County
Jackson County
Liberty County
Gulf County
Franklin County
Wakulla County
Taylor County
Lafayette County
Suwannee County
Hamilton County
Madison County
Jefferson County
Brooks County
Lowndes County
Berrien County
Cook County
Colquitt County
Worth County
Dougherty County
Lee County
Sumter County
Terrell County
Webster County
Randolph County
Clay County
Flint River
Chattahoochee River
Ochlockonee River
Aucilla River
Withlacoochee River
Suwannee River
Alapaha River
Little River
Spring Creek
Lake Seminole
Lake Iamonia
Lake Miccosukee
Lake Jackson
Lake Talquin
Lake Lafayette
Lake Ellen
Lake Bradford
Lake Hall
Lake Munson
Lake Overstreet
Lake Iamonia
Lake Miccosukee
Lake Jackson
Lake Talquin
Lake Lafayette
Lake Ellen
Lake Bradford
Lake Hall
Lake Munson
Lake Overstreet
Tallahassee Regional Airport
Thomasville Municipal Airport
Cairo Municipal Airport
Bainbridge Municipal Airport
Donalsonville Municipal Airport
Albany Municipal Airport
Dothan Municipal Airport
Valdosta Regional Airport
Moultrie Municipal Airport
Tifton Municipal Airport
Quincy Municipal Airport
Perry Municipal Airport
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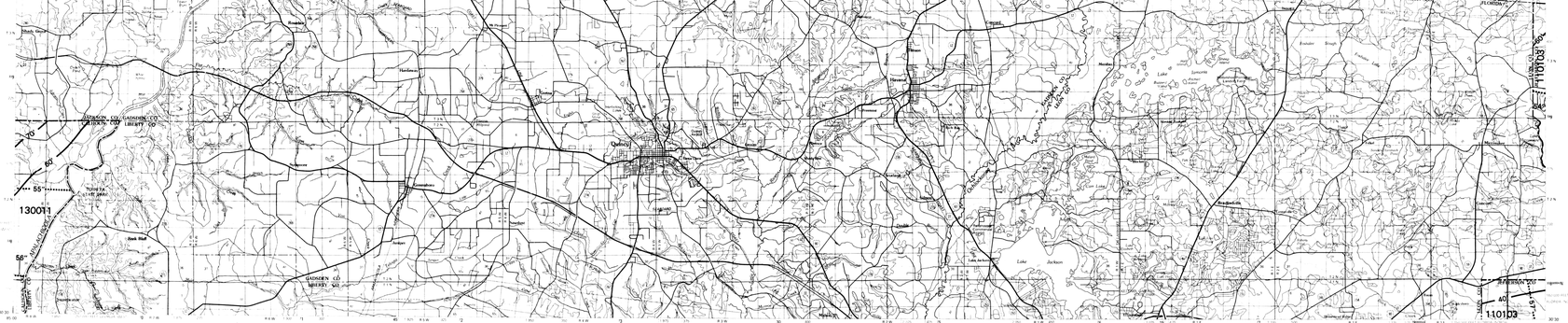
Perry Municipal Airport
Monticello Municipal Airport
Madison Municipal Airport
Havana Municipal Airport
Attapulgus Municipal Airport
Meigs Municipal Airport
Faceville Municipal Airport
Whigham Municipal Airport
Climax Municipal Airport
CURRY
HILL
Tallahassee
Tallahassee
Tallahassee

SEMINOLE
CURRY
HILL
Tallahassee
Thomasville
Havana
Quincy
Chattahoochee
Greensboro
Monticello
Madison
Perry
Lloyd
Jasper
Live Oak
Branford
Mayo
Lake City
Alapaha
Valdosta
Adel
Nashville
Ocilla
Tifton
Moultrie
Sylvester
Albany
Camilla
Pelham
Cairo
Bainbridge
Donalsonville
Colquitt
Blakely
Arlington
Edison
Damascus
Dawson
Leesburg
Sasser
Shellman
Cuthbert
Fort Gaines
Eufaula
Clayton
Abbeville
Ozark
Enterprise
Dothan
Ashford
Headland
Slocomb
Geneva
Elba
Samson
Hartford
Andalusia
Opp
Florala
Crestview
Milton
Pensacola
Gulf Breeze
Navarre
Fort Walton Beach
Destin
Niceville
Valparaiso
Mary Esther
Shalimar
Baker
Holt
Harbor Woods
Eglin AFB
Hurlburt Field
Duke Field
Whiting Field
Milton
Jay
Century
Flomaton
Atmore
Brewton
Bay Minette
Foley
Gulf Shores
Orange Beach
Perdido Key
Pine Barren
Wilmington
Lumberton
Fairmont
Whiteville
Chadbourn
Tabor City
Loris
Conway
Myrtle Beach
Georgetown
Andrews
Hemingway
Kingstree
Lake City
Florence
Darlington
Hartsville
Bishopville
Lamar
Timmonsville
Olanta
Lake View
Dillon
Latta
Marion
Mullins
Aynor
Conway
Socastee
Murrells Inlet
Pawleys Island
Litchfield Beach
Surfside Beach
Garden City
Little River
North Myrtle Beach
Calabash
Sunset Beach
Ocean Isle Beach
Shallotte
Holden Beach
Southport
Oak Island
Caswell Beach
Bolivia
Leland
Belville
Navassa
Brunswick
Boiling Spring Lakes
Supply
Ash
Winnabow
Carolina Beach
Kure Beach
Wrightsville Beach
Topsail Beach
Surf City
Holly Ridge
Jacksonville
Sneads Ferry
Swansboro
Cape Carteret
Emerald Isle
Atlantic Beach
Morehead City
Beaufort
Newport
Havelock
Cherry Point
Cherry Point MCAS
New Bern
Bridgeton
Vanceboro
Oriental
Minnesott Beach
Arapahoe
Ocracoke
Hatteras
Buxton
Frisco
Avon
Rodanthe
Waves
Salvo
Nags Head
Kitty Hawk
Kill Devil Hills
Manteo
Roanoke Island
Wanchese
Columbia
Creswell
Plymouth
Washington
Belhaven
Aurora
Pantego
Bath
Chocowinity
Pinetown
Edenton
Hertford
Elizabeth City
Camden
South Mills
Moyock
Currituck
Corolla
Duck
Southern Shores
Grandy
Point Harbor
Powells Point
Kitty Hawk
Kill Devil Hills
Nags Head


130111
110103
Quincy
Hannibal
Mexico
Palmyra
Monroe City
Shelbina
Bowling Green
Louisiana
Clarksville
Pittsfield
Jacksonville
Carrollton
Hardin
Kinderhook
Barry
Griggsville
Perry
Pleasant Hill
Florida
Paris
Monroe Co
Ralls Co
Pike Co
Lincoln Co
Montgomery Co
Audrain Co
Marion Co
Clark Co
Lewis Co
Adams Co
Brown Co
Pike Co
Calhoun Co
Scott Co
Morgan Co
Cass Co
Menard Co
Mason Co
Schuyler Co
Fulton Co
Knox Co
Henderson Co
Warren Co
Hancock Co
McDonough Co
Peoria Co
Tazewell Co
Logan Co
Sangamon Co
Macoupin Co
Greene Co
Jersey Co
Madison Co
Bond Co
Fayette Co
Effingham Co
Clay Co
Richland Co
Lawrence Co
Crawford Co
Jasper Co
Cumberland Co
Clark Co
Edgar Co
Vermilion Co
Champaign Co
Piatt Co
Douglas Co
Coles Co
Moultrie Co
Shelby Co
Cumberland Co
Clay Co
Wayne Co
Edwards Co
Wabash Co
White Co
Hamilton Co
Franklin Co
Jefferson Co
Marion Co
Clinton Co
Washington Co
Perry Co
Randolph Co
Monroe Co
St. Clair Co
Clinton Co
Bond Co
Fayette Co
Effingham Co
Clay Co
Richland Co
Lawrence Co
Crawford Co
Jasper Co
Cumberland Co
Clark Co
Edgar Co
Vermilion Co
Champaign Co
Piatt Co
Douglas Co
Coles Co
Moultrie Co
Shelby Co
Cumberland Co
Clay Co
Wayne Co
Edwards Co
Wabash Co
White Co
Hamilton Co
Franklin Co
Jefferson Co
Marion Co
Clinton Co
Washington Co
Perry Co
Randolph Co
Monroe Co
St. Clair Co
Mississippi River
Illinois River
Missouri River
Lake Jackson
Lake Michigan
Lake Erie
Lake Ontario
Lake Huron
Lake Superior
Lake Winnebago

SCALE 1:100 000

KILOMETERS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

MILES 0 1 2 3 4 5 6 7 8 9 10 11 12

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 METERS

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 15000 20000 30000 METERS

0 1000 10000 15000 20000 25000 30000 35000 40000 45000 50000 55000 60000 65000 FEET

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM, SLIDELL, LOUISIANA, AS PART OF A PROGRAM TO PROVIDE ENVIRONMENTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE RESOURCES, AND HABITAT MANAGEMENT ACTIVITIES IN FLORIDA.

THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS, HERNANDO, PASCO, AND PINELLAS. OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPERTY OWNERSHIP OR JURISDICTION. THE STUDY AREA WAS ARBITRARILY DEFINED ON THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT EXPECT THAT THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:

HYDROLOGY: Potentiometric Surface of the Floridan Aquifer, Northwest Florida Water Management District, Tallahassee, Florida, 1985.
Potentiometric Surface of the Floridan Aquifer, Suwannee River Water Management District, Live Oak, Florida, 1985.
Potentiometric Surface of the Floridan Aquifer, Southwest Florida Water Management District, Brooksville, Florida, 1985.
Sea, Lake, and Overland Surges from Hurricanes, National Oceanic and Atmospheric Administration, Silver Spring, Maryland, 1979.
Water Resources Data for Florida, U.S. Geological Survey Water-Data Report FL-84-3, 1984.
Water Quality Inventory for the State of Florida, Dept. of Environmental Regulation, Tallahassee, Florida, 1982.
Current Atlas of the West Florida Shelf, New England Coastal Engineers, Bangor, Maine, 1982.

CLIMATOLOGY: National Climatic Center, Asheville, North Carolina, 1981

FOR COMPLETE REFERENCES SEE MAP NARRATIVE

CLIMATOLOGICAL STATION NAMES

1. Pensacola FAA Airport
2. Milton Experimental Station
3. Crestview FAA Airport
4. De Funiak Springs
5. Niceville
6. Fort Walton
7. Panama City AG NE
8. Blountstown
9. Apalachicola Airport
10. St. Marks 5 SSE
11. Monticello 3 W
12. Cross City 2 WNW
13. Perry
14. Steinhatchee Okeeagee Hot

U.S. GEOLOGICAL SURVEY HYDROLOGIC UNIT BOUNDARIES (Cont'd)

Coastal Area between Ochlockonee and Apalachicola Rivers (130013)
Ochlockonee River Basin (130003)
St. Marks and Wakulla Rivers and Coastal Area between Apalachicola and Ochlockonee Rivers (130001)
Aucilla River Basin (110103)
Coastal Area between Suwannee and Aucilla Rivers (110102)
Coastal Area between Yellow Withlacoochee River including Santa Fe River Basin (110205)
Waccasassa River and Coastal Area between Withlacoochee and Suwannee Rivers (110102)
Withlacoochee River Basin (060102)
Withlacoochee River Basin (160206)
Coastal Area from Tampa Bay to Withlacoochee River (150201)

U.S. GEOLOGICAL SURVEY STREAM GAGING STATION

Mean Annual Discharge
(cubic feet/second) = Q
Mean Annual Runoff
(inches/year) = R

U.S. GEOLOGICAL SURVEY STREAM GAGE AND SURFACE WATER QUALITY STATION

Mean Annual Surface Water
Specific Conductivity (micromhos) = SC
Mean Annual Discharge
(cubic feet/second) = Q
Mean Annual Runoff
(inches/year) = R

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION FIXED SURFACE WATER STATION

(Insufficient period of record to establish a long term mean)

U.S. GEOLOGICAL SURVEY GROUND WATER OBSERVATION AND WATER QUALITY WELL

Mean Annual Ground Water
Specific Conductivity (micromhos) = SC
Specific Chloride (milligrams/liter) = Cl

MEAN ANNUAL COASTAL SALINITY

(parts per thousand) = S

STUDY AREA BOUNDARY

Offshore
Inland (County)
Inland (State)

U.S. GEOLOGICAL SURVEY HYDROLOGIC UNIT BOUNDARIES

Perdido River Basin (14139)
Perdido Bay, Inflow and Coastal Area (140101)
Lower Conecuh River Basin (140204)
Escambia River Basin (140201)
Pensacola Bay, Inflow (140104)
Escambia Bay, Inflow and Coastal Area (140105)
Yellow River Basin (140103)
Choctawhatchee Bay, Inflow and Coastal Area (140102)
Pea River Basin (140202)
Choctawhatchee River below Pea River (140203)
St. Andrews Bay, Inflow and Coastal Area (140101)
Chipola River Basin (130101)
Apalachicola River Basin (130201)
Apalachicola Bay Coastal Area and Offshore Islands (130014)

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